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TEXAS ARCHITECT

OFFICIAL PUBLICATION OF THE TEXAS SOCIETY OF ARCHITECTS

THE DEMAND FOR SCHOOLROOMS

NEW TRENDS IN SCHOOL CONSTRUCTION

TSA DELEGATION AT BOSTON CONVENTION

THE ARCHITECT—AND HOW HE CAN SERVE YOU

JULY

1954

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THE TEXAS ARCHITECT

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The American Institute of Architects

David C. Baer, AIA-TSA Houston.....Editor

John G. Flowers, Jr.,Managing Editor
1200 Bissonnet, Houston, Texas

George Kirksey & Associates Editorial Counselors
2244 W. Holcombe, Houston

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CALENDAR OF EVENTS

July 10—Summer meeting TSA board of directors, at Fort Worth.

November 3-5—15th annual convention, TSA at Fort Worth.

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THE DEMAND FOR SCHOOLROOMS

A \$15,000,000 school bond election has been called for July 24 in Houston.

Except that the amount is fairly substantial, there is nothing so unusual about such an election, in these days when the nation is short at least 250,000 classrooms. Cities and school districts across the U. S. are finding it necessary to ask the taxpayers to provide for the tremendous increase in the number of pupils.

What is unique about the Houston bond election, however, is that it was clearly labelled a stop-gap. The school board members have pointed out that \$15,000,000 is only a portion of what will be needed in the foreseeable future.

The U. S. Office of Education reported in September, 1952 that 245,000 classrooms were needed in 43 states. Other government and private estimates are closer to 350,000 classrooms for the entire 48 states, and some range as high as 400,000.

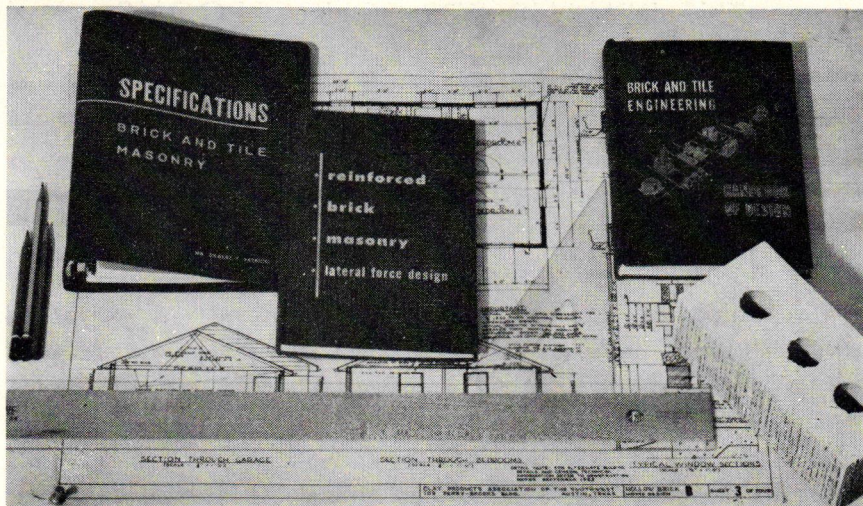
Much is being done to alleviate the severe shortage of classrooms, caused by increases in school enrollment which have approached 1,000,000 per year since 1946. School districts and communities in Texas and elsewhere have responded with intelligent planning aimed toward 1960, when, it is estimated, the total number of pupils will be 36,000,000, instead of today's 29,800,000.

A recent report of the F. W. Dodge Corporation, for instance, points out that in 1946, school and college building was only 4% of nonresidential contract awards, and 1% of total construction awards. By April, 1953, the corresponding figures were 20%, and 8%.

Nevertheless, the U. S. Office of Education stated in November, 1953, that the rate of adding classrooms must roughly be doubled if the nation is to catch up by 1960.

Texas and her people, together with citizens in every part of the country, will meet this challenge to the future of U. S. children by sensible planning and action.

And the architects of the state and nation are prepared to help, in many ways, by continued emphasis on the problems incident to planning, designing, choosing the materials for, supervising the construction of, and supplying the other architectural services needed for schools that will give the maximum in service and value.



New Brick and Tile Basic References

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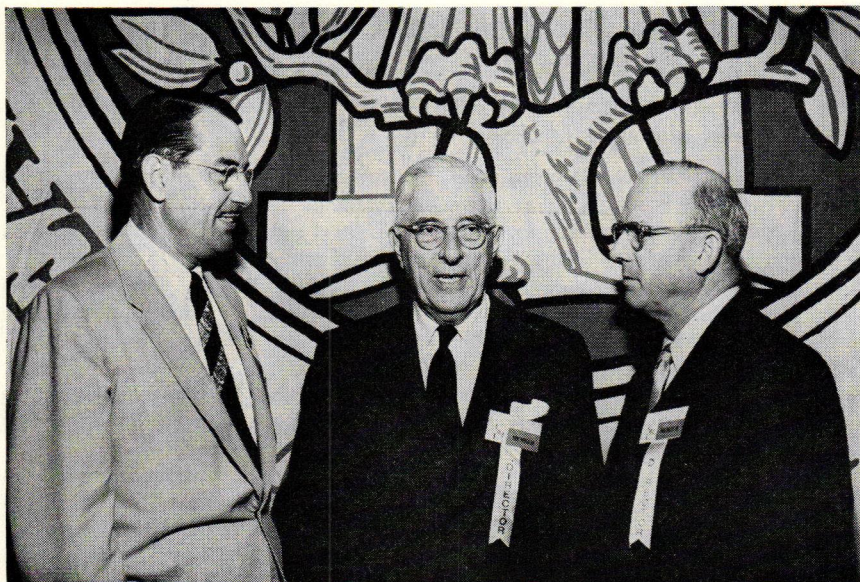
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Left to right, at a luncheon for the TSA delegation during the Boston convention, are Albert S. Golemon of Houston, new regional director; Maurice J. Sullivan of Houston, immediate past national treasurer who completes his third consecutive term; and Edward L. Wilson of Fort Worth, former AIA director now replaced by Mr. Golemon.

27-MAN TSA DELEGATION AT BOSTON

**TSA Group Named To 12 Committees,
Including One Chairmanship;
Albert S. Golemon New AIA Director**

A 27-man TSA delegation has returned from Boston and the 86th annual convention of the American Institute of Architects with 13 important committee posts, including one key chairmanship; a new national AIA director; and two selections of TSA architectural work by the AIA honor awards jury.

David C. Baer, TSA-AIA of Houston, who was on the Boston convention program as chairman of the national AIA architectural practice committee, remains head of this committee under the new name of Office Practice.

Other Appointments

Other TSA members named to AIA national committees were: Ralph Cam-

eron, San Antonio, research; George Pierce, Jr., Houston, chapter affairs; J. Murrell Bennett, Dallas, office practice; Ernest Langford, College Station, education; Bartlett Cocke, San Antonio, scholarships and awards; Thomas D. Broad, Dallas, Jury of Fellows; Stayton Nunn, Houston, school buildings; Arthur Thomas, Dallas, hospitals and public health; Karl Kamrath, Houston, public relations; Herbert Tatum, Dallas, urban housing; Hubert Crane, Fort Worth, cooperation with National Association of Home Builders; and Marvin Eickenroht, San Antonio, preservation of historical buildings.

(Continued on Page 7)

TRENDS IN SCHOOL CONSTRUCTION

"Far West," Including Texas, Oklahoma

Listed In Survey To Determine
Use Of Materials, Methods

A recent survey of school construction in the "Far West," which by a rather curious geographical listing included Texas and Oklahoma showed the following principal findings:

1. Excellent planning, design, and construction are being used, with architects taking an important role in new developments aimed at getting the maximum in value for hard-pressed taxpayers.

2. Steel and concrete are most often selected for the structural framework of the new schools. Wood is used extensively, however, in combination with steel and concrete. In Oklahoma, for instance, wood joists were used in combination with wide-flange steel columns and beams. In California, fir framing has been combined with concrete pilings and foundations, and structural steel. In some Texas schools, wood framing was used exclusively, although the trend is definitely away from this because of the emphasis on fireproof construction.

3. Brick, used frequently for exterior facing, is almost non-existent as a structural material in schools surveyed. Because of preference for native materials, California architects often specify redwood, fir plywood, and in a few cases, rustic cedar, for both interior and exterior walls. Native bricks and building stones are frequently used in Texas for exterior facing.

4. Asphalt tile, usually on a concrete slab, was found to be the favorite flooring material in the new schools.

5. Built-up tar and gravel roofing, leads other materials and methods, although variations such as the California prize-winning school with a roof of redwood shakes, are found.

6. Acoustic tile is the favorite material for ceilings.

7. Steel sash windows led all others by a considerable margin.

8. Lighting fixtures were most often concentric ring, incandescent fixtures, although there was some use of fluorescent lighting.

9. Plumbing fixtures seemed to be rather standardized in a high percentage of the schools studied.

10. There was a wide divergence in heating and ventilating systems preferred in schools under study, probably because of differences in climate and individual preferences. In every instance, it was noted that heating and ventilating systems now are given considerably more attention than formerly.

11. The newer green chalkboard has definitely won out over old-fashioned black.

Asphalt Pavers Form New Association In Harris County Area

Asphalt paving contractors in the Houston area have banded together under the name Asphalt Pavers' Association, "for the sole purpose of furthering the use of asphalt products," according to a recent announcement by Earl N. Lightfoot, president of the new group.

The association will institute an educational campaign designed to present proper specifications and procedures to laymen, and to furnish professional men in the building industries with concise specifications for specific purposes.

Headquarters of the APA are at 6537 Heffernan Street, Houston. Other officers are: H. Earl Ruppert, secretary, and Harry H. Hedges, treasurer.

REPORT OF THE COMMITTEE ON ORGANIZATION

One of the most valuable and comprehensive reports made to the Boston Convention was that of the Committee on Organization of the AIA. This had been presented previously to the Board of Directors. Action on the recommendations made will be carried out by the Executive Director through the Headquarters staff, through the Board or by By-law amendments which will be submitted at the 1955 Convention.

Among the resolutions that were included in the report, the following items should be of interest to the membership:

CORPORATE STRUCTURE

1. Chapter officers take office in January of each year.
2. Regional Council Officers (TSA) take office during the first quarter of each year.
3. Study be given, looking to a substantial reduction (50%) in the number of Delegates to the Annual Meeting.
4. The Regional Conventions be emphasized and made of prime importance to the individual practitioner. (TSA does this)
5. Dates of Regional Meetings be coordinated through the national staff to minimize conflicts.
6. That by-law change be made to limit the Presidency of the Institute to one year, re-election after two years.
7. Limit the term of a Regional Director to two (2) years.
8. Specific areas of interest be assigned to the Institute Vice Presidents, such as:
 - a) Octagon and Staff.
 - b) Committee Organization and Committee activities.
9. Study be given to increasing the budget allowance for Regional Meetings.
10. Chapters be incorporated.
11. A Corporate Member living and practicing architecture in an area must be assigned to a Chapter with jurisdiction in the area.

(turn page)

12. Appropriations for Committees of the Institute run from July 1 to June 30.
13. Application for membership provides for no Sponsors, but requires at least a minimum of five (5) references of which three (3) shall be Institute Members.
14. Committees of the Institute be re-examined to the end that in all appropriate instances National Committees shall be appointed one per region by the membership of the Regional Committees of the same name and functions. Upon due cause, the Chairman can be authorized to recommend the replacement of a Committee Member.
15. That in the appointment of Committees, the principle of continuity be respected.

ADMINISTRATION AND PUBLIC RELATIONS

1. While increase in authority to the Executive Director is in the right direction, it should be made completely effective in fact as well as in theory. Every Department Head at the Octagon must be responsible directly to the Executive Director and to the Board, only through him. Employees in every Department should be responsible to the Department Head and through him to the Executive Director. No employee, other than the Executive Director, should deal directly with the Board, except as approved by the Executive Director.
2. The Board should assign the details of operation to the Executive Director. Give much more of its own time to the consideration of and establishment of policies on the relation of the Architectural Profession to Society.
3. The problem of members of the Staff losing hours or days from their scheduled duties because of entertaining visitors, be solved by the appointment of an Octagon Host or Hosts.
4. The more responsible employees at the Octagon be stabilized in their positions.

5. An investigation be made by professional counsel as to the advisability of revision of accounting methods and the possible addition of mechanical accounting equipment.
6. Too much time is taken by Staff members from their staff duties to serve on interprofessional and other Committees and to represent the Institute in various places. Continuous effort should be made by the Board and by the Executive Director to get members of the Institute, who are best fitted, to serve in these capacities.
7. Greater emphasis be put on an interchange of information and understanding between the individual architect and the Board or Staff.
8. Regional Directors be required to visit each of their Chapters at least once a year, and that Directors write a concise report to the Octagon after each visit.
9. A Speakers Bureau be set up listing under appropriate subjects those best qualified and available to speak. The list would be available to any Chapter or Region needing a speaker for a meeting.
10. The Journal and Bulletin be merged into one magazine as soon as practical.
 - a) The size be that of the Bulletin;
 - b) Additional self-supporting advertising be sought;
 - c) As cost will allow, more current work of members be published as well as articles, biographies, results of research, excerpts from committee meetings and panel discussions of general interest, reference list guides, developments in specification writing, standards established by building material and professional associations, new developments in code and zoning requirements, technical information, testing procedures and all data of use and benefit to the practicing architect and his employees;
 - d) Research and Technical material be in such form to be readily detachable.

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THE BOSTON CONVENTION

The Convention in Boston was pleasant, well organized and informative.

Your editor feels it rates high on the list of successful conventions. It lacked some of the drama of Seattle with the trip to the forests and some of the Texas exuberance of the Houston meeting. It made up for this with the color that is Boston and the natural reserve of New England.

The highlight of the meeting was the trip to the Crane Beach and Estate out of Ipswich north of Salem and the tour of Chestnut Street and its homes enroute. Much has been said of these Salem homes built when "the trade" was at its height and each house carried the flag over its door that identified its owner's ships over the seas of the world. They builded well, and have given to posterity a street that has retained its dignity, interest and beauty through the years.

The Crane Estate, known as Castle Hill, was impressive even though a ghost with its vast unfurnished rooms. It represents the epitome of architectural progress up to the thirties. It may be a warning to architects that plumbing, interior finishes and kitchens can date a building the same as the cliches of contemporary.

The lobster dinner on the grounds of the Estate was interesting but the temperature in the fifties took some of the pleasure away for many of us with clothing designed for the South.

THE BUSINESS OF THE CONVENTION was considerable and somewhat momentous. The Report of the Committee on Organization of the AIA showed study, thought and judgment. Its important points are included elsewhere. The adoption of the new Mandatory rules

of the Institute marks another step forward. The announcement of the publication of the Report of the AIA Commission for the survey of Education and Registration marks the end of about five years' work. This is in two volumes and is for sale by Reinhold. The Board will take action on this later. Public Relations under the new program enters its third year. We are only beginning to see the concrete results of this vast undertaking. The Board announces the publishing of Policy Statements of the Institute which will give each member knowledge of what the Institute stands for. A History of the Institute has been authorized for publication prior to the centennial celebration in 1957. International Relations have been taken over by the Board as a direct responsibility. Much more attention will be given to Interprofessional relations henceforth and a committee on this is functioning. Intergovernmental Relations is being reactivated and a committee will have as its primary interest relationship with Federal Government as well as state and municipal governments on the local level. Continuation of Hill-Burton Programs concerning hospitals is being advocated and encouraged. Real aid to this program actually has been given by the Institute. Committee on National Capital has discouraged the placing of a bridge across the Potomac at an unsightly place and is encouraging the removal of temporary buildings on the Mall. Membership of the Institute had reached 9,980 at Convention time. Annual increase is 400. A SLIDE LIBRARY has been started at Headquarters.

It was a successful Convention and more from Texas should have attended even though we did have a fine representation.

THE NEW STANDARDS OF PROFESSIONAL PRACTICE, AIA Document 330, as developed by the Committee On Architectural Practice, AIA, and distributed to the membership was approved by the Convention with very minor change. The revised printed form will be available to the membership soon.

(cont'd from Page 3)

11. A Director of Publications be employed to be the Editor of the new "Journal", coordinating the work of Associate Editors and contributors, and to coordinate the News Letter and all other publications.

EDUCATION AND RESEARCH

1. The present Department of Education and Research be divided into two new departments:
 - a) Department of Research;
 - b) Department of Education and Office Practice.

JUDICIARY

1. No disciplinary action be prosecuted by a Chapter.
2. A Regional Judiciary Committee of six (6) be elected. That all disciplinary action in a Region be initiated by a proper filing at the Octagon first, and that Judicial proceedings proceed first at the Regional level to a finding. Findings by a Regional Judiciary proceeding be subject to review by a National Judiciary Committee.

THE TEXAS REGION

There is a trend toward more stress on Regional Meetings to satisfy the need for getting the younger men interested in the functions of the Institute. We here in Texas are in a position that is not comparable to any other Region of the Institute. Our Texas Society of Architects is our Regional Organization. We do not have conflicting interests between several states, state chapters or other separate units. We are in a position to be one of the leaders and we have little excuse for failure. We must continue to point the way.

We have contributed much to the Institute and our responsibility to solve problems continues.

CONVENTION COMMENT

The outstanding address of the meeting was the opening address given by Edward A. Weeks, Editor of the ATLANTIC MONTHLY. This is certain to be published soon, look for it.

As usual the program contained too many seminars or panel discussions. These inserted into the last day's business session seem unfair to the speakers and an unnecessary interruption on the winding up of the business of the Convention.

The tours and social side of the convention were pleasant. Much planning of details was evidenced. New England weather was a bit difficult it is true - wet for a time then beautifully clear but much on the coolish side. Summer weight clothes were not much protection with the temperature in the fifties.

The President's reception at the Museum of Fine Arts was a beautiful occasion and the Pops Concert which followed is reported to have been a very outstanding performance.

The annual banquet was much better than most such affairs. The handling of the Fellowship awards was improved over previous meetings and the evening was really a well managed affair. The rendition of state songs was up to par and was the occasion for informal roll calls of those present. Texas has a job to educate at least one more band that "THE EYES OF TEXAS" not "DEEP IN THE HEART OF TEXAS" is our state song.

The exhibits of members of the Producers' Council were unusually good this year. A good place to exhibit may be partly responsible but they were well presented and very informative.

There is need for change in handling the award announcements at
(turn page)

the Convention. It would seem that the judgment should be made far enough in advance to make certain that the individual winners can be present to receive the awards. The showing of the winners was well handled this year with the new demountable supports designed by the Convention Manager - Art Holmes, AIA.

WHAT DOES AN ARCHITECT DO TO EARN HIS FEE?

"A reading of "AIA STANDARD CONTRACT FORMS AND THE LAW" by William Stanley Parker, FAIA, and the distinguished Boston lawyer, Faneuil Adams, will answer the above question, for it shows, in great detail, the work an Architect does above and beyond the making of plans and specifications," states John T. Carr Lowe. "The Architect is not merely the designer of a harmonious business relationship, which this book describes in a step-by-step discussion of the contacts an Architect has to have with the work, his client, and the men who erect the structure."

Every lawyer dealing with building contracts also can profitably study this book. It will tell him the meaning and application of terminology in this special contract field, and show him what the historical progression of a building job accomplishes.

Mr. Lowe continues, "This book should be required reading for architects, even those with years in the profession, and for lawyers dealing with architect or contractors, for it furnishes ready answers to many problems that arise in the execution of any architectural commission through its analysis of the Standard Documents of the American Institute of Architects."



Part of the TSA delegation to the AIA convention in Boston: seated, left to right: Arthur E. Nutter, Houston; Louis C. Page, Austin; Maurice J. Sullivan, Houston; Mrs. Louis Daeuble, El Paso; Edward L. Wilson, Fort Worth; Albert S. Golemon, Houston; Thomas D. Broad, Dallas; standing, same order: Walter T. Rolfe, Houston; Louis Southerland, Austin; Donald S. Nelson, Dallas; Karl Kamrath, Houston; John G. Flowers, Jr., Austin; Hiram Salisbury, Houston; Fred MacKie, Houston; Eugene Werlin, Houston; Louis Daeuble, El Paso; Herbert C. Tatum, Dallas; and R. Graham Jackson, Houston.

27-Man TSA Delegation At Boston

(Continued from Page 5)

Albert S. Golemon of Houston, immediate past president of TSA, was named AIA regional director to replace Edward L. Wilson of Fort Worth.

Two Honor Awards

The two TSA honor awards were among a total of only six such citations made at the AIA convention.

The Fort Brown Memorial Civic Center at Brownsville, designed by John P. Wiltshire and J. Herschel Fisher of Wiltshire & Fisher, TSA-AIA, Dallas, after a design competition, was given a first honor award by the 1954 Honors Awards Jury at the Boston convention. "This is a good example," the citation reads, "in present day terms of a basic community need to provide facilities for general public use." The Center was

described in detail in the March, 1954 TEXAS ARCHITECT.

Another TSA firm, that of Caudill, Rowlett, Scott & Associates, TSA-AIA, of Bryan, won acclaim for the Norman (Oklahoma) High School and City Auditorium, designed in conjunction with Perkins & Will of Chicago. "Here a complex high school building program has been treated in a simple and direct way," the citation for this second TSA honor award reads.

Delegation Roster

Those in the TSA delegation at Boston were: Edward L. Wilson, Fort Worth; Albert S. Golemon, George Pierce, Jr., and David C. Baer, all of Houston; F. E. Vrooman, College Station; Arthur E. Nutter, Hiram Salisbury, Mr. Maurice J. Sullivan; S. I. Morris, R. Graham Jackson, Eugene Werlin, Wal-

(Continued on Page 12)

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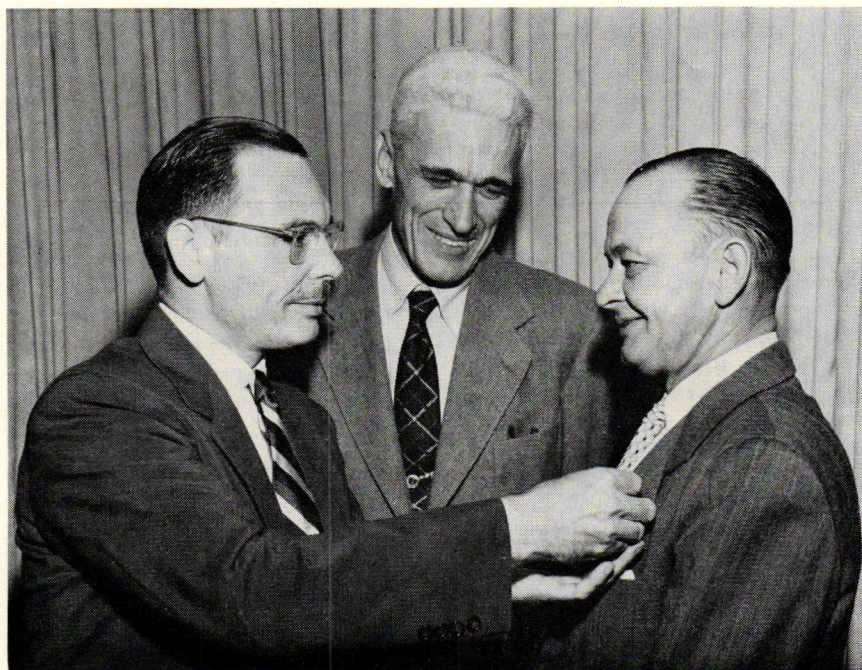
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Craftsmanship Award at Fort Worth

One of the outstanding Texas Architects' Week programs during the statewide observance of this event was at Fort Worth, where Jim Davidson, a painter selected by members of the Fort Worth Chapter, was awarded a diamond pin during the third annual Craftsmanship Dinner. Left to right, Donald S. Nelson of Dallas, TSA-FAIA, state chairman for Texas Architects' Week; Herman Cox, TSA-AIA, president of the Fort Worth Chapter; and Mr. Davidson.

With Our Advertisers

The Ludman Corporation, North Miami, Fla., has been awarded a contract for the new Auto-Lok aluminum awning windows in the new Lubbock High School.

Manufacturers in the steel industry have established a Steel Door Institute, under the chairmanship of A. L. Munsell of Truscon Steel Division, Republic Steel.

The American Wood Window Institute is celebrating the third anniversary of the establishment of the AWWI Quality Seal

program. Under the program, manufacturers must comply with minimum specifications in order to use the AWWI seal. These specifications, extremely detailed, include requirements for the species of lumber being used, moisture content, preservative used, balancing devices, weatherstripping, and assembly tolerances.

The Trane Company recently dedicated a new research and testing laboratory, "The House of Weather Magic," at La Crosse, Wis.

The Architect—And How He Can Serve You

The Ontario Association of Architects, incorporated in 1890, have been carrying on a notably successful program aimed at informing the public about the profession of architecture and how the architect can serve you.

Following is a summary of some major points from a new OAA publication which is of interest to the general public:

The architect is the only authority professionally trained in all the combined phases of planning, designing, and constructing buildings. He serves his clients as an adviser, a planner, a designer, a coordinator, a businessman, a supervisor, and a consultant.

Protects Client's Investment

As an adviser, the architect can simplify the intricacies of a building project, and help to protect his client's investment. This function extends from

the selection of the site to final acceptance of completed work.

As a planner, the architect has professional training and experience which enable him to analyze building requirements and to provide for them efficiently. This ability includes a thorough knowledge of construction methods, materials, and costs, and looking ahead for the future, so that changing requirements over the years may be economically and soundly incorporated.

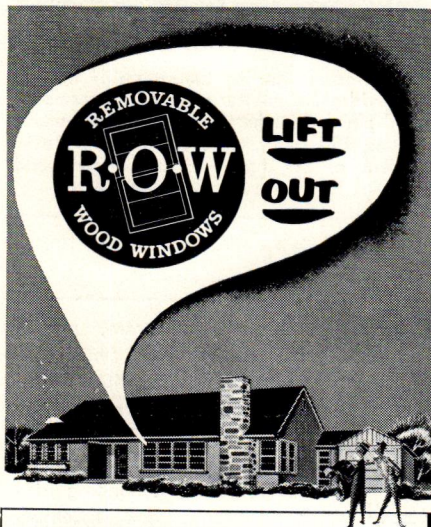
Creates Lasting Beauty

As a designer, the architect creates dignity and beauty that will last, through proportioning, placing and sizing of openings, and the intelligent use of materials, all without sacrificing functional needs.

As a businessman, the architect calls for bids, advises on awarding of the contracts, passes on payments as construction proceeds, ascertains that specified materials and methods are being followed, and generally acts as a liaison between client and contractor or contractors, protecting the best interests of the client at all stages.

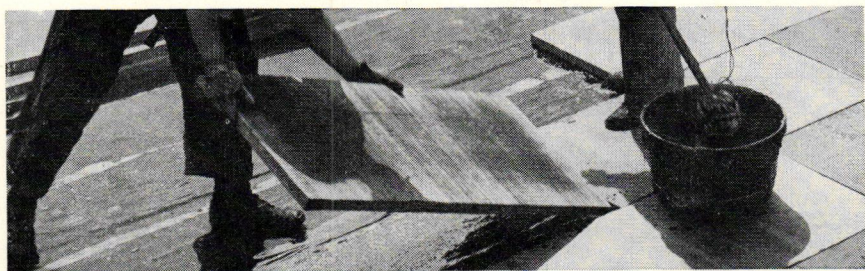
As a coordinator, the architect employs the various structural, mechanical, and electrical and many other specialists, and coordinates their design work.

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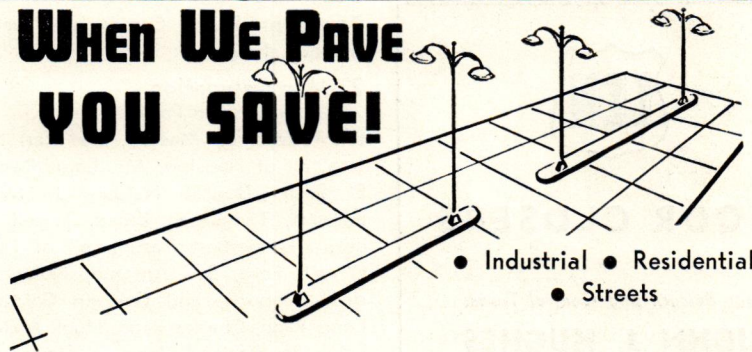
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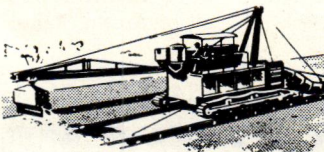
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New Products

Southwest Industrial Coatings Company, Houston, is using titanium pigments to produce Swicco-White, an outside white house paint which it is claimed will not discolor or darken from industrial fumes or sulphur concentrations in the atmosphere. The product contains a mildew inhibitor.

The Fostoria Pressed Steel Corp., Fostoria, Ohio, now has in production a new magnetically - driven centrifugal pump called Dyna-pump. The fractional horsepower unit is driven by a rotating magnetic field instead of the usual drive shaft. Motor and pump are in one sealed unit.

Texas Vitriified Pipe Company, Mineral Wells, has prepared an illustrated four-page brochure on the use of Translot filter block in the expansion of sewerage facilities at the Fort Worth Treatment Plant. Copies are available without charge.

27-Man Delegation

(Continued from Page 7)

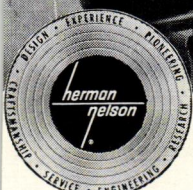
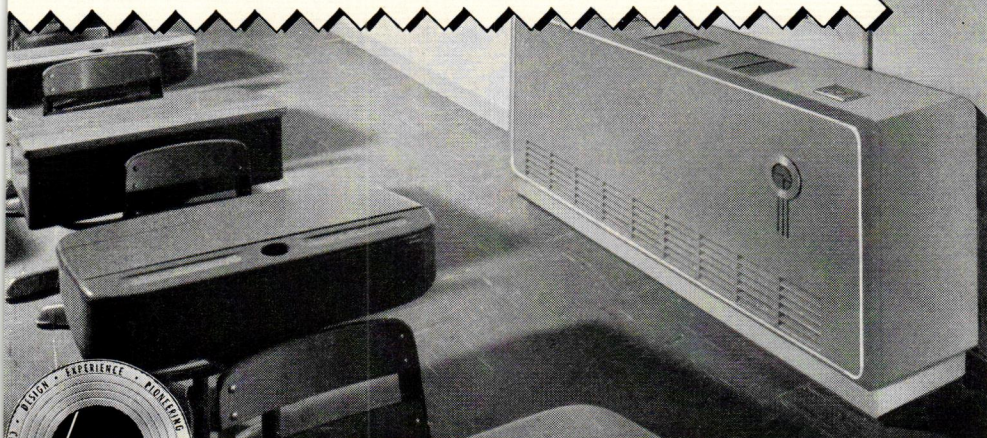
ter Rolfe, Fred MacKie, and Karl Kamrath, all of Houston; Mr. Louis Daeuble, El Paso; Donald Nelson, J. Murrell Bennett, Thomas D. Broad, Terrell Harper, and Herbert Tatum, all of Dallas; O'Neill Ford, San Antonio; Nolan Barrick, Lubbock; and Goldwin Goldsmith, Louis Page, Charles Page, Hugh McMath, Louis Southerland, John G. Flowers, Jr., all of Austin. Reginald Roberts, San Antonio.

TSA Board Of Directors Schedules Summer Meet In Ft. Worth On July 10

The TSA board of directors will meet Saturday, July 10 in Fort Worth at the Texas Hotel, beginning at 10 a.m. President Edwin W. Carroll of El Paso, will preside at the one-day meeting.

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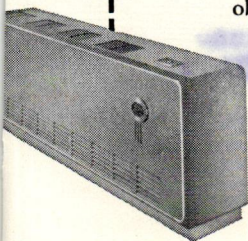
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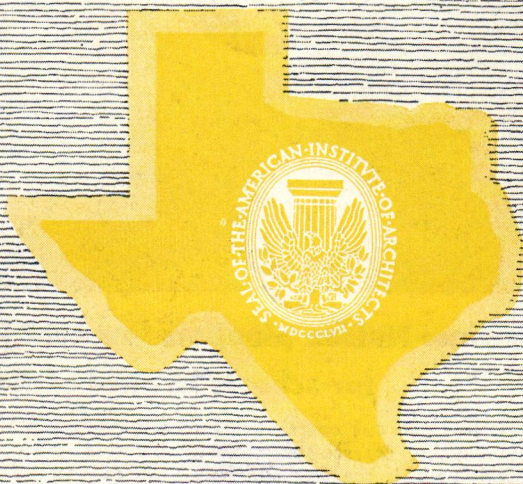
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